

REMARKS

Reconsideration of the application is respectfully requested. Claims 1-37 were canceled in a Preliminary Amendment filed on November 12, 2004. Claims 38-63 were added in the Preliminary Amendment. Claims 38-63 are pending. No claims have been added, canceled, or amended in this response.

The Office Action asserts that the Information Disclosure Statement filed December 29, 2003 fails to comply with 37 CFR 1.98(a)(3). Applicant respectfully submits that an English-language abstract of DE 19502111A1 was submitted at the time of filing the Information Disclosure Statement and that this English-language abstract fulfills the requirements of 37 CFR 1.98(a)(3).

The Office Action also indicates that the application fails to include a specific reference to prior application(s) in the first sentence of the specification. Applicant respectfully draws the attention of the Examiner to Applicants' transmittal letter submitted on July 24, 2003 along with the application as originally filed. In paragraph 9 of the transmittal letter the Applicant amended the specification to include a paragraph specifically referencing a prior application.

Claims 30-37 stand objected to under the judicially-created doctrine of obviousness-double-patenting as being unpatentable over claims 1-17 of U.S. Patent No. 6,633,550. As indicated above, Applicant filed a Preliminary Amendment on November 12, 2004 and respectfully requests that the Preliminary Amendment be entered and considered in connection with Applicant's response to the currently-pending Office Action. Given that claims 30-37 have been canceled, Applicant respectfully submits that the double-patenting rejection of claims 30-37 has been rendered moot. Withdrawal of the rejection of claims 30-37 as unpatentable over claims 1-17 of U.S. Patent No. 6,633,550 is respectfully requested.

Claim 30 stands rejected under MPEP 706.03(w). As indicated above, claim 30 has been canceled, thereby rendering the rejection thereof moot. Applicant respectfully requests that the rejection of claim 30 under MPEP 706.03(w) be withdrawn.

Claims 30-37 stand rejected under 35 U.S.C. 103(a) as being unpatentable over GB 2296610 to Okanobu ("Okanobu"). As indicated above, claims 30-37 have been canceled,

thereby rendering the rejection thereof moot. Withdrawal of the rejection of claims 30-37 is respectfully requested.

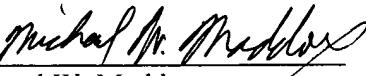
As indicated above, claims 38-63 are pending. Applicant respectfully submits that each of claims 38-63 distinguishes over Okanobu in a patentable sense. Claim 38 recites, among other things, a circuit path comprising a bandpass filter, a detector, an up-conversion section, and a down conversion section integrated into a single IC chip and that bandpass filtering operations are performed by components integrated into the single IC chip. Independent claim 49 recites, among other things, performing a step of filtering, on a single IC chip, of a low-intermediate-frequency signal using a bandpass filter. Independent claim 53 recites, among other things, a circuit path including a bandpass filter, a detector, an up-conversion section, and a shaping filter integrated into a single IC chip and that bandpass filtering operations are performed by components integrated into the single IC chip. Applicant respectfully submits that each of the independent claims distinguishes over Okanobu at least due to the distinguishing features noted above relative to each of the independent claims.

Dependent claims 39-48, 51-52, and 54-63 depend from and further limit independent claims 38, 49, and 53, respectively. Applicant respectfully submits that, for at least the reasons stated above with respect to independent claims 38, 49, and 53, respectively, dependent claims 39-48, 50-52, and 54-63 also distinguish over Okanobu.

In view of the above remarks, Applicant believes the pending application is in condition for allowance.

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Respectfully submitted,

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